ſeries given, the even powers of x, or any other terms whatever, be wanting, their places muſt be ſupplied with cyphers; which, in order the of numbering off, muſt be reckoned as real terms.

CIV. *Obſervatio Eclipſis Lunæ Die* 30 Julii 1757. *habita Oliſſipone à* Joanne Chevalier, *Congregationis Oratorii Preſbytero, é Regia* Londinenſi *Societate. Communicated by* Jacob de Caſtro Sarmiento, *M D F. R. S.*

Tubo optico 8 pedum.

	h	′	″
Read Nov. 16. 1758. Initium penumbræ —	9	15	18
Initium dubium eclipſis	9	22	24
Certo jam incœperat — —	9	23	34
Umbra ad mare humorum obſervata vitro plano cæruleo — —	9	31	2
Solo tubo optico obſervata — —	9	31	29
Vitro flavo obſervata — —	9	31	48
Umbra tangit Grimaldum obſervata vitro plano cæruleo — —	9	31	20
Solo tubo optico — —	9	31	50
Vitro plano flavo — —	9	32	8
Totus Grimaldus tegitur obſervatus vitro plano cæruleo — —	9	34	4
Solo tubo optico — — —	9	34	28
Vitro flavo — — —	9	34	47

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	h	′	″
Umbra ad Tychonem obſervata vitro plano cæruleo — — —	9	38	25
Solo tubo optico — — —	9	38	42
Vitro flavo — — —	9	38	59
Umbra ad Harpalum vitro cæruleo obſervata — — —	9	55	6
Solo tubo optico — — —	9	55	35
Umbra ad Fracaſtorium — —	9	59	57
Umbra ad Mare Nectaris —	10	00	50
Obſervata vitro flavo — —	10	1	8
Umbra ad Dionyſium — —	10	5	2
Umbra tangit Mare Tranquillitatis	10	5	50
Umbra ad Mare Serenitatis —	10	10	16
Umbra tegit Menelaum obſervata vitro cæruleo — — —	10	11	4
Solo tubo optico — — —	10	11	29
Vitro flavo — — —	10	11	50
Totum Mare Fœcunditatis tegitur —	10	18	39
Umbra tangit Mare Criſium vitro cæruleo obſervata — —	10	22	52
Solo tubo optico — — —	10	23	12
Vitro flavo — — —	10	23	29
Umbra ad Proclum — —	10	23	33
Poſſidonius totus tegitur — —	10	23	50
Totum Mare Serenitatis tegitur —	10	24	36
Totum Mare Criſium ab umbra tegitur	10	30	27
Plato tegitur vitro cæruleo obſervatus	10	31	26
Solo tubo optico — — —	10	31	48
Vitro flavo — — —	10	32	4
Obſcuratio maxima — —	10	55	40

Emersiones.

	h	′	″
Plato emergit obſervatus vitro flavo	11	19	5
Solo tubo optico — —	11	19	31
Vitro cæruleo — — —	11	19	50
Ariſtarchus emergit — —	11	21	3
Gaſſendus incepit emergere obſervatus vitro flavo — —	11	25	36
Obſervatus ſolo tubo optico —	11	25	52
Obſervatus vitro cæruleo — —	11	26	11
Gaſſendus totus extra umbram —	11	28	2
Schicardus incipit emergere —	11	45	44
Totus extra umbram — —	11	47	10
Totum Mare Humorum extra umbram	11	46	50
Menelaus extra umbram —	11	55	36
Mare Serenitatis extra umbram —	11	59	46
Tycho extra umbra obſervatus vitro flavo	12	00	33
Solo tubo optico — —	12	00	52
Vitro cæruleo — —	12	1	14
Incipit emergere Mare Criſium —	12	8	31
Totum Mare Criſium extra umbram	12	16	28
Finis eclipſis — — —	12	28	26

Obſervatio hæc peracta é cœlo claro; umbra autem terræ ita diluta erat, ut maculæ in ea conditæ ſatis dignoſcerentur.